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United States Patent [19]**Pitzen et al.**[11] **Patent Number:** **5,553,675**[45] **Date of Patent:** **Sep. 10, 1996**[54] **ORTHOPEDIC SURGICAL DEVICE**5,360,073 11/1994 Akazawa 173/217
5,388,749 2/1995 Davignon et al. 227/67[75] **Inventors:** James F. Pitzen, Maplewood; Jeffrey D. Smith, Marine on St. Croix, both of Minn.; Charles E. Alexson, River Falls, Wis.**FOREIGN PATENT DOCUMENTS**0272434 6/1988 European Pat. Off. .
3317398 10/1985 Germany .[73] **Assignee:** Minnesota Mining And Manufacturing Company, St. Paul, Minn.**OTHER PUBLICATIONS**

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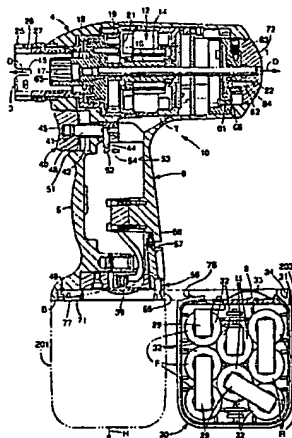
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Primary Examiner—Scott A. Smith**Attorney, Agent, or Firm**—Gary L. Griswold; Walter N. Kim; Jeffrey J. Hohenshell[21] **Appl. No.:** **258,338**[22] **Filed:** **Jun. 10, 1994**[51] **Int. Cl.⁶** **A61B 17/32**[52] **U.S. Cl.** **173/217; 310/50**[58] **Field of Search** **173/216, 217; 227/67; 310/50**[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57] **ABSTRACT**

A cordless drive assembly for driving various orthopedic surgical instruments is described. The drive assembly is battery powered and includes tracks in the handle portion of its housing for receiving the battery. A latch locks the battery to the housing.

16 Claims, 9 Drawing Sheets .**BEST AVAILABLE COPY**